

Joint Expeditionary Force eXperiment



USAF
C2 Training and
Innovation Group

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JEFX Live
Fly
Overview

**"Nothing harder than putting a
new idea into the military mind ...
except removing the old one"**

Liddell-

Hart



**JEFFX Planning
Team**



Live Fly Overview



Millennium Challenge 2000



USA
JCF / AWE

Moving Forward Together

USJFCOM



USN
FBE-H



USAF
JEFX 2000

JV 2010



USMC
Millennium Dragon

First Large Scale Joint Warfighting



LF PLANNING TIMELINE





Execution Schedule

Aug - Sep 00

SUN		MON	TUE	WED		THU
Aug 27	Aug 28	Aug 29	Aug 30	Aug 31	1	2
	New Players Travel & In-		Tm Leads Travel & In-process	Returnees Travel & In-process	Mass In-brief	ATO Execution & Process Practice
System Checkout		Initial Training			Team Building	
3	4	5	6	7	8	9
Backu p Day	ATO Execution & Process	Sequential ATO Execution				Integrate LF ATO; Nellis Fam
	8AF/CC	COMAC C Hurlbur t			Aragon Paradrop	
					CSAF Hurlburt	
10	11		13	14	15	16
Backu p Day & Live-fly In-brief	Run-up Operations (Constructive, Virtual & Live Fly)				MainEx Hotwash 1 & 2	O-5/Below Cell Lead Assessment Mtg
	COMAC C Nellis	COMAC C Suter	COMAC C UpRang e	COMAC C Langley		



Island of Pacifica

**CONFEDERATION
OF
WASHORGON STATE**



**SAN
FRANCISCO**

**PEOPLES REPUBLIC
OF
CALIFON**

SEATTLE

**REPUBLIC
OF
NEVIDAH**

**PACIFICA
MINERAL
FIELDS**

LA

**LAS
VEGAS**

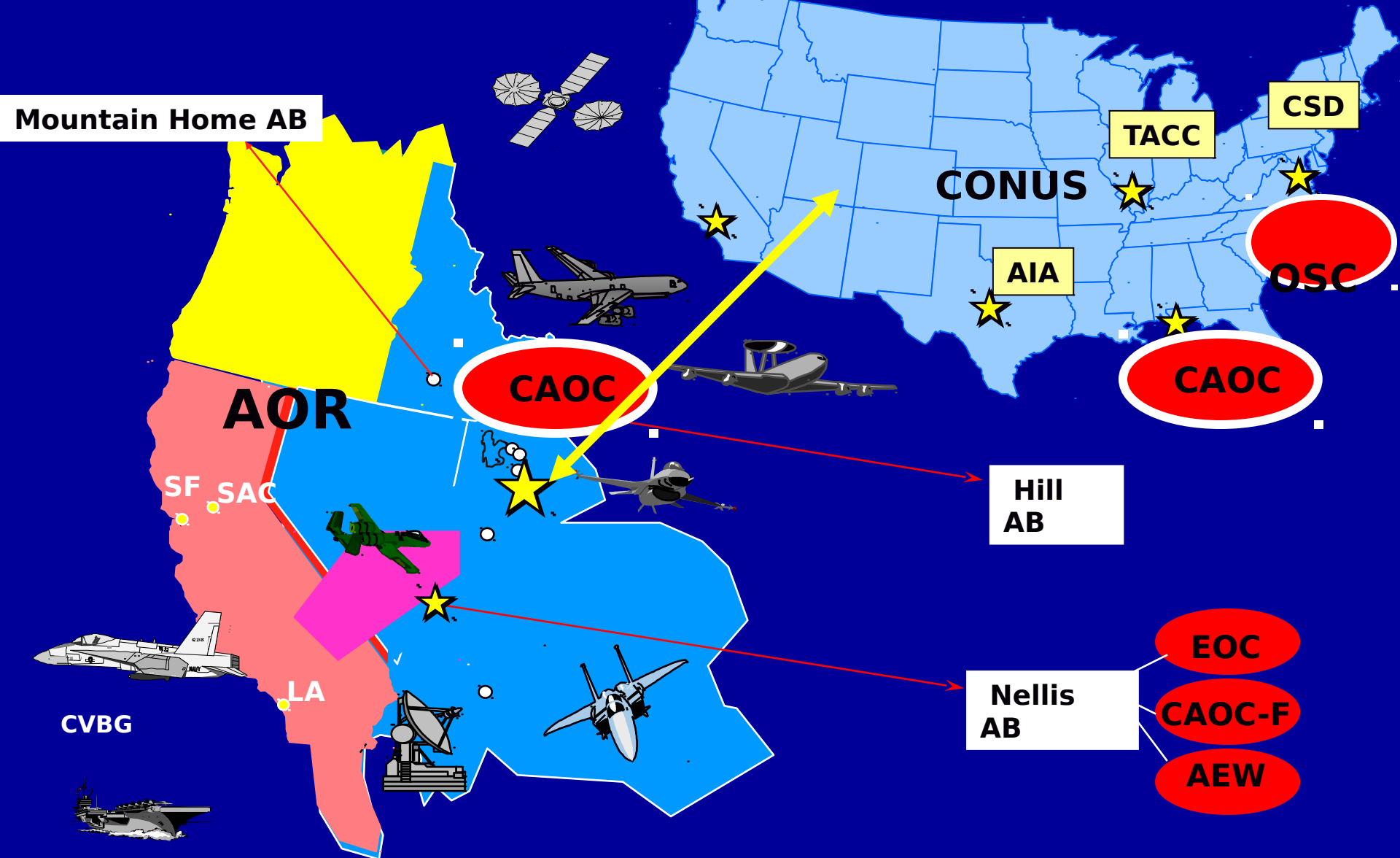
CTF HQ (Notional Location)

**OGDEN
SALT LAKE CITY**

AEW

JEPX 00

Notional vs. Actual



JEFX 00 Live-Fly Players

53 AEW

- **2xA-10** (SADL/GW) **53 WG**
- **4xF-15E** (FDL/-14) **53 WG**
- **6xF-15E** (-14) **366 WG**
- **6xF-15C** (Link-16) **53 WG**
- **5xF-16CJ** (HTS/IDM) **53 WG**
- **6xF-16CJ** (HTS/IDM) **20 FW**
- **2xF-16CG** (IDM) **53 WG**
- **3xB-1** (CT II, MSTs, MTI) **53WG**
- **4xF-16** (SADL/GW) **ANG**
- **2xHH-60** (SADL/GPRS) **53 WG**
- **2xF117** **49FW**

Others

- **3xEA-6B** **USN**
- **1xEC-130H** (C-Call) **AFMC**
- **2xKC-135** (Gateway) **366 WG**
- **5xKC-135** (AR) **AMC**
- **1xMC-130E** (BRITE) **AFSOC**
- **1xEC-130** (C-Solo) **ANG**
- **1xAH-64** (IDM) **USA**
- **7xF-18** (Red Air) **USMC**

AOC/ISR/STRAT

- **2xE-3** **552 ACW**
- **2xE-8** **93 ACW**
- **2xRC-135** **55**
WG/AFMC
- **1xU-2** (ASARS/SIGINT) **9 RW**
- **1xB-2** (CT II) **53 WG**
- **1xB-52** (CT II) **53 WG**
- **1xGH** (SAR) **ASC**
- **2xPredator** (EO/IR) **11 RS**
- **1xTwin Otter** (HSI) **AFMC**
- **1xD 2 / SBR** (MTI) **SWC**
- **1xC-130** (HSI) **ANG**
- **MC-00/JRTC**
- **6xA-10/OA-10** **23 FG**
- **17xC-130** (IFGR/EMPRS) **AMC**
- **1xC-135** (EMPRS) **AFRL**
- **2xF-16** (SADL) **AFR**
- **1xTwin Otter** (HSI/HARP) **AFMC**
- **1xWB-57** (HSI/SHARP) **NASA**
- **Green = Off-Station Players**

Mountain Home (KMUO)

390FS	F-15C	18
20FS	F-16	12
389FS	F-16CJ	12
344ARS	KC-135R	12
7FS	F-117	6
34BS	B-1	6
2AS	C-130H	2

Indian Springs (KINS)

11 RS	RQ-1 PREDATOR	2
12		
95RS	TWIN OTTER	
15RS	ISLANDER C3-10	
1		
5RS	DISCOVER II T-39	
1		
99RS	RQ-4 GLOBAL HAWK	
2		
55FS	A-10	
12		
66RQS	HH-60	
3		

NEHHS (KLSV)

336 FS	F-15E	18
391 FS	F-15E	18
58 FS	F-15C	18
77 FS	F-16CJ	12
78 FS	F-16CJ	12
152 FS(ANG)	F-16CG	12
22 ARS	KC-135R	8
384 ARS	KC-135R	8
VMAQ-1	EA-6B	4
75FS	A-10	12
45RS	RC-135 RJ	4
964AACS	E-3/AWACS	3
12ACCS	E-8/J-STARS	2
41RQS	HH-60	4
41ECS	EC-130H	4
101 AV BN	AH-64	8
4FS	F-16CG	12
VF-41	F-14D	6
8FS	F-117	6
28BS	B-1	6

JEFX 2000 BEDDOWN S/ALLIANCE AF Assets

Whiteman (KSZL)

325BS	B-2	6
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Barksdale (KBAD)

20BS	B-52H	6
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Pocatello (KPIH)

39AS	C-130H	8
11ALS	C-21	2

Hill (KHIF)

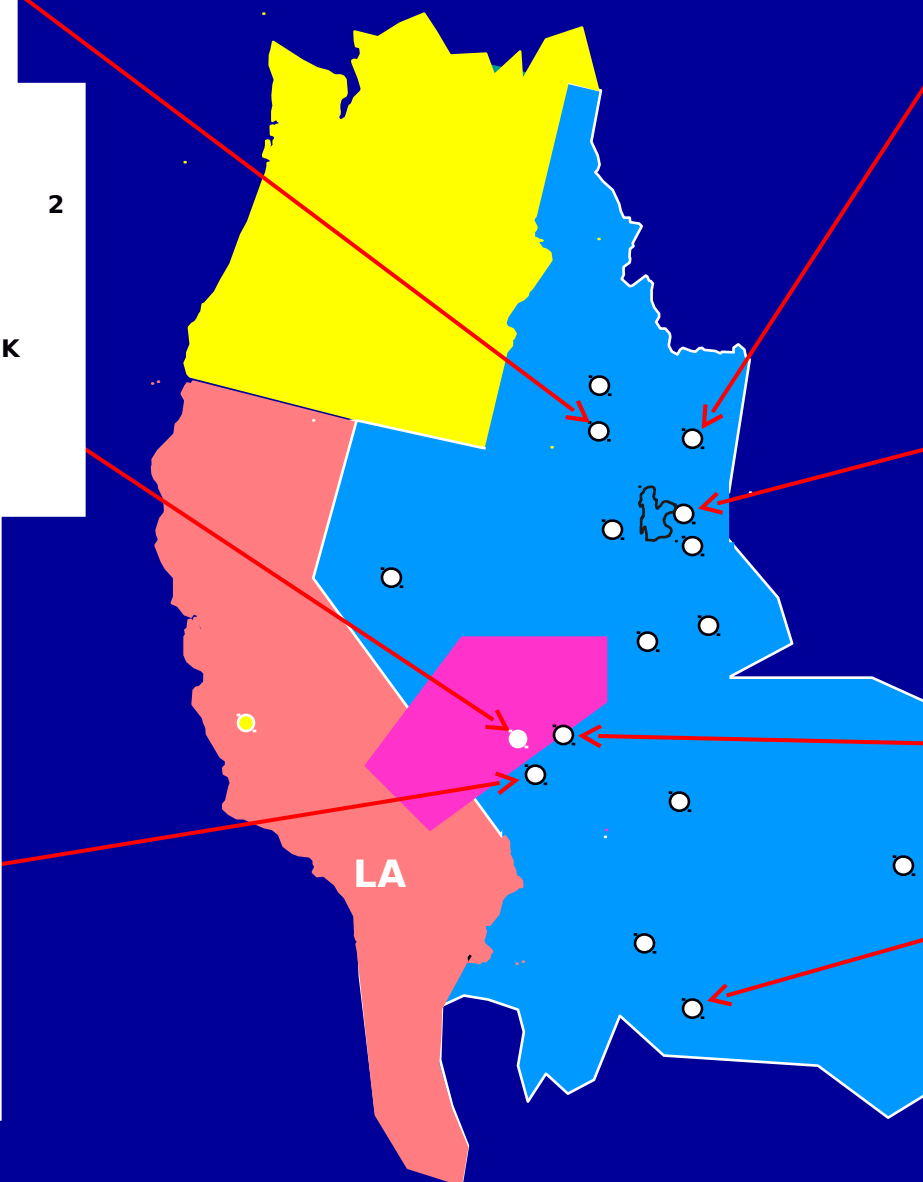
1RS	U-2	2
11FS(CAN)	CF-18	18
1DET(CAN)	CC-130	4
2DET(CAN)	KC-130	2
311FS(NE)	F-16A/B	12
13FS(UK)	TOR. GR1A	12
4FS(UK)	HARRIER GR7	12
72FS(GE)	GR-4	12
4407RS	RC-135 R/J	2
963AACS	E-3/AWACS	4
16ACCS	E-8/J-STARS	2
43ECS	EC-130H(CC)	3
94FS	F-22 RAPTOR	12
349ARS	KC-135R	12
38RS	ABL	2
55 WING	RC-135S (CB)	4
82RS	NKC-135	1

Cedar City (KCDC)

27FS	JSF	12
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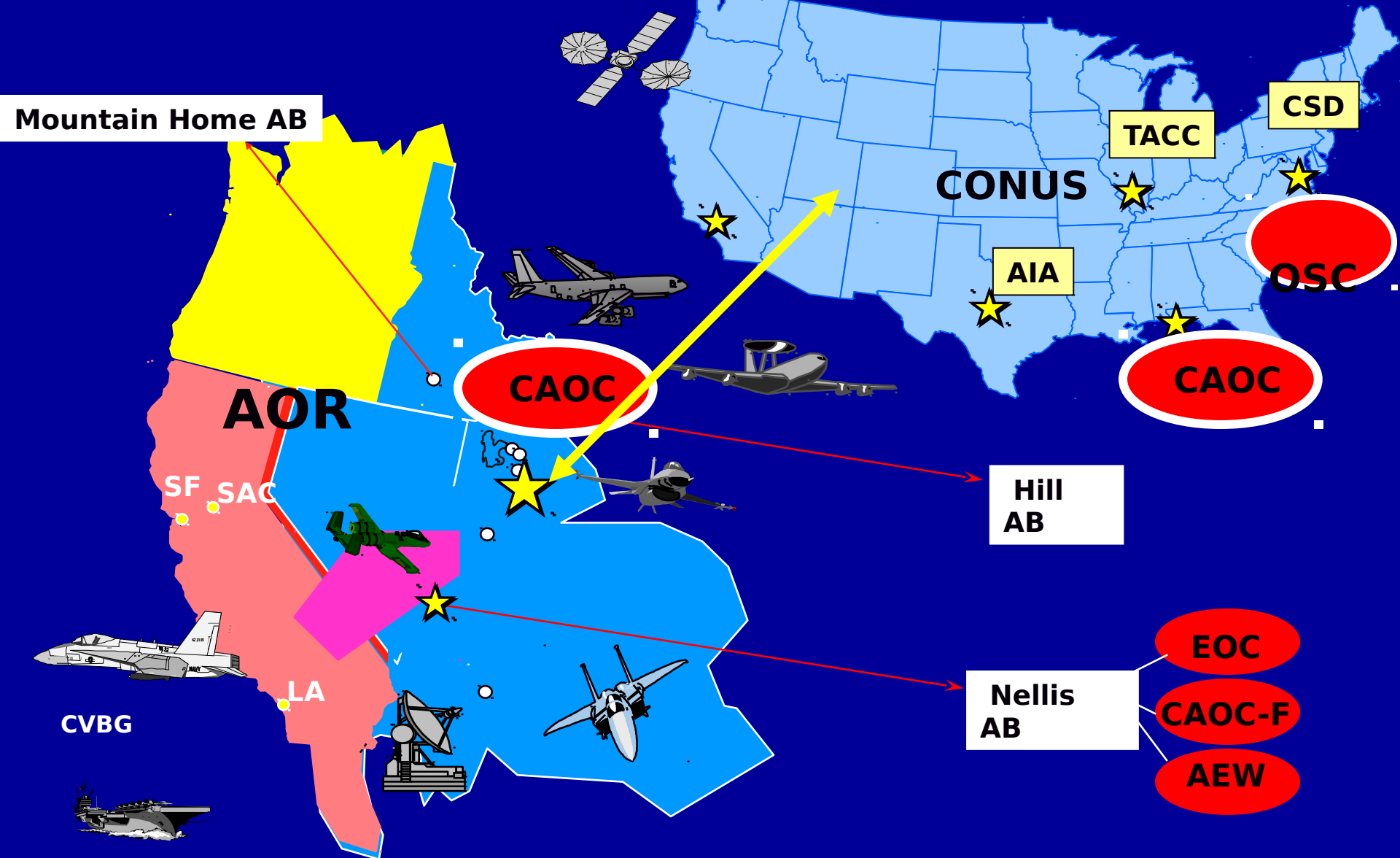
Davis-Monthan (KDMA)

193SOS	EC-130J(CS)	1
9SOS	MC-130P	4
8SOS	MC-130E	4
VQ-1 DET	EP-3	3
VP-16	P-3C	6
40AS	C-130H	8
3-160SOAR	MH-60K	3
1-160SOAR	MH-47E	8
4SOS	AC-130U	4
20SOS	CV-22	4
47AS (UK)	C-130K	2
15SOS	MC-130H	4

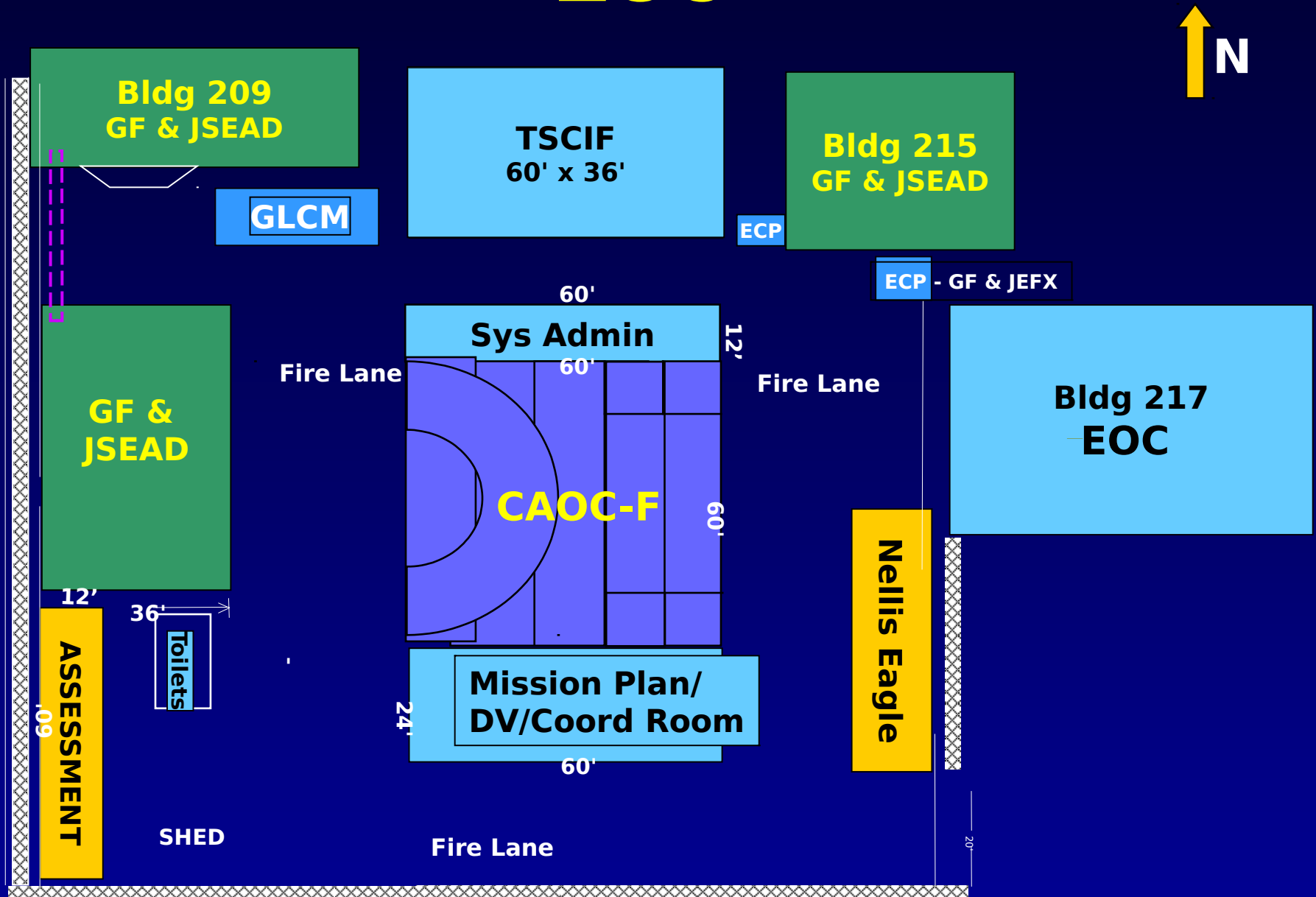


JEPX 00

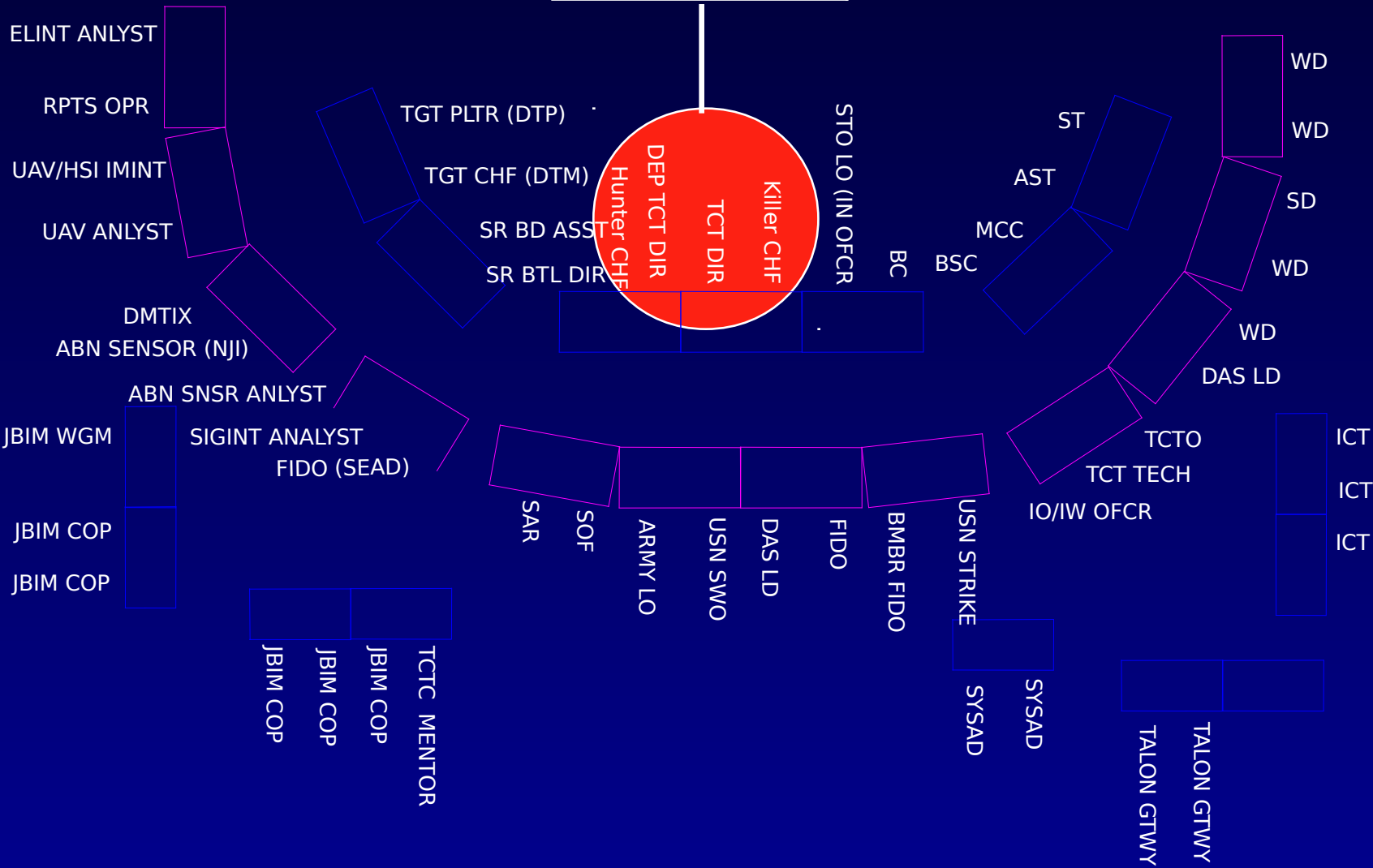
Notional vs. Actual

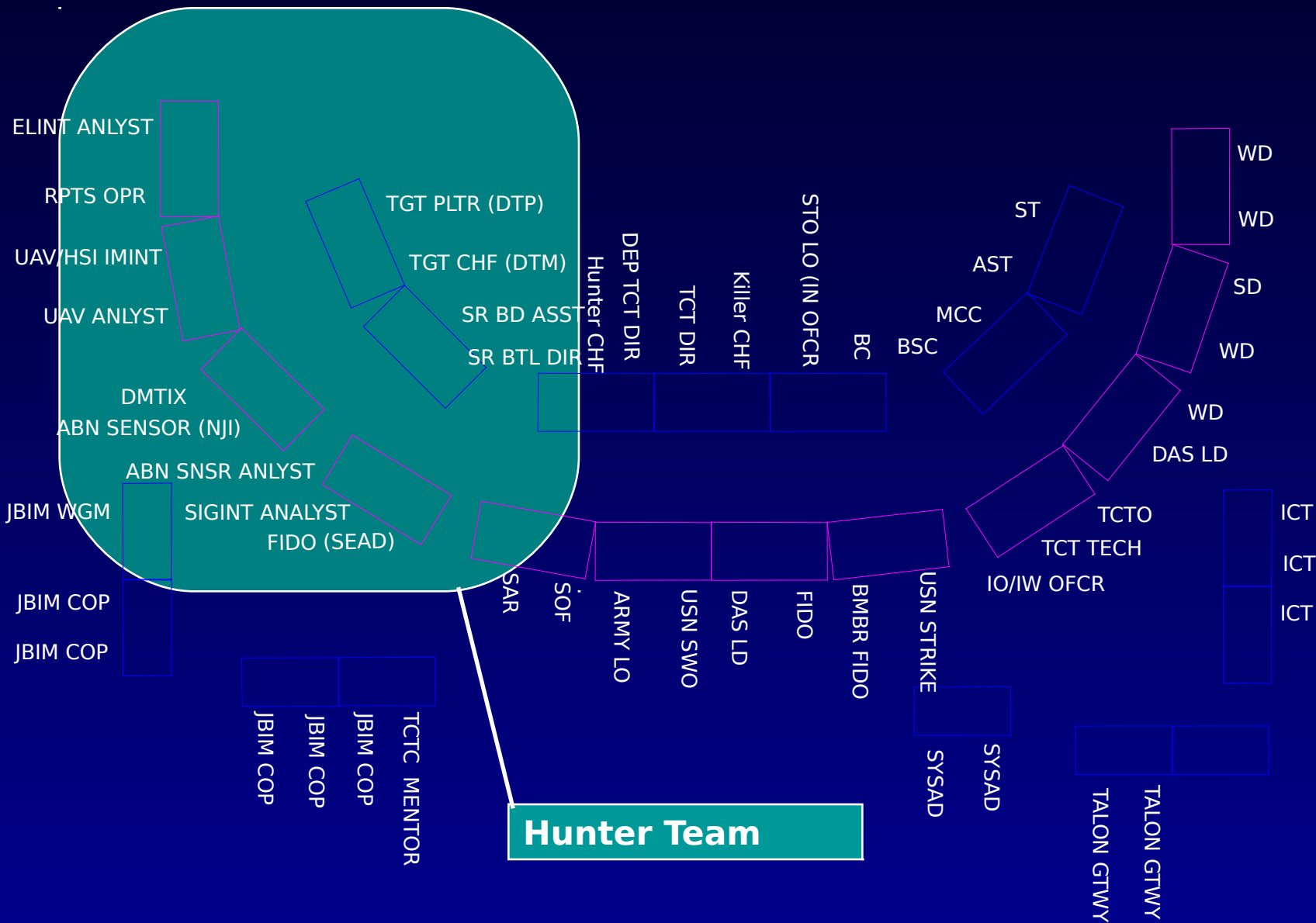


JEFX 00 CAOC Forward & EOC

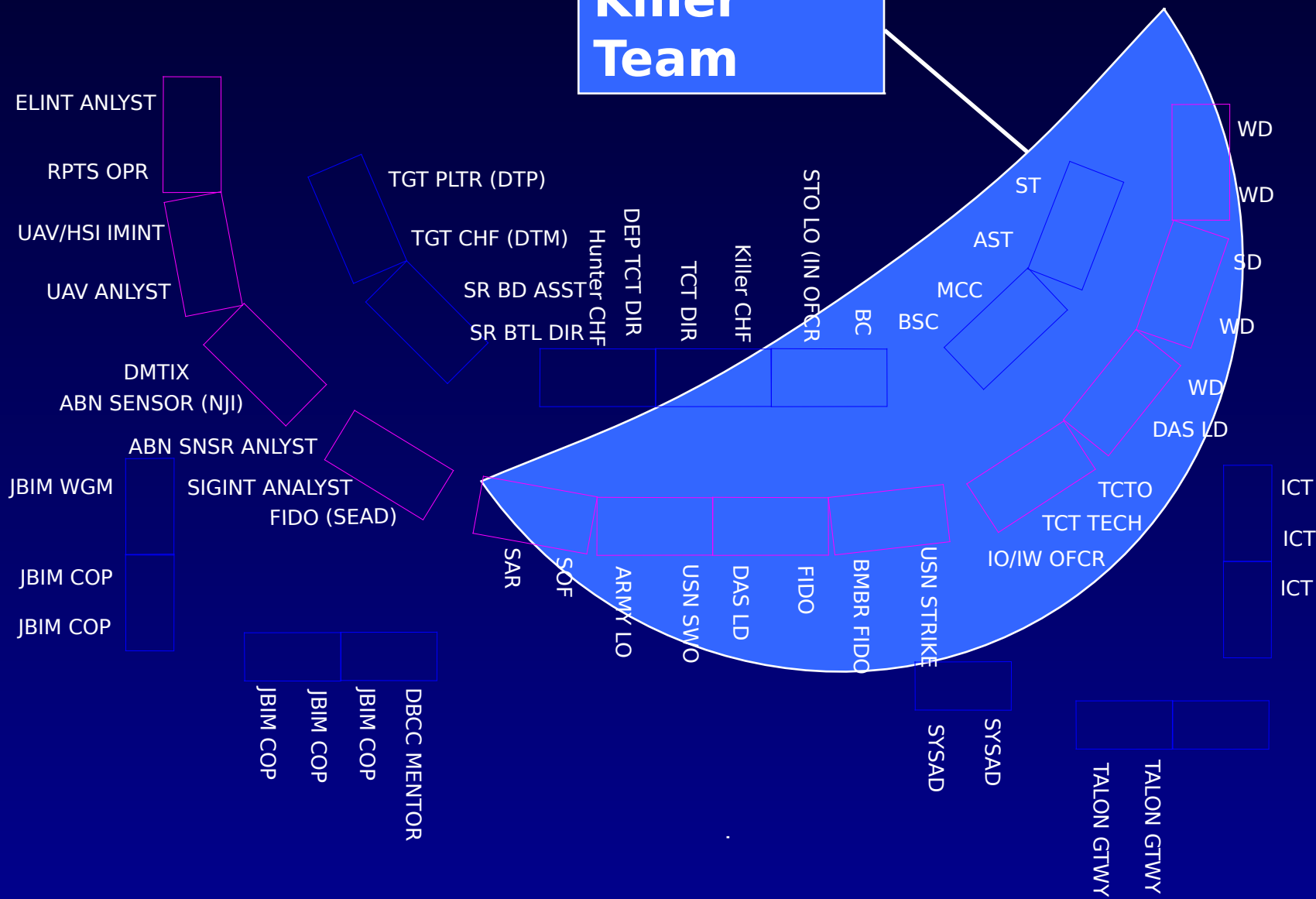


Command
Positions





Killer Team



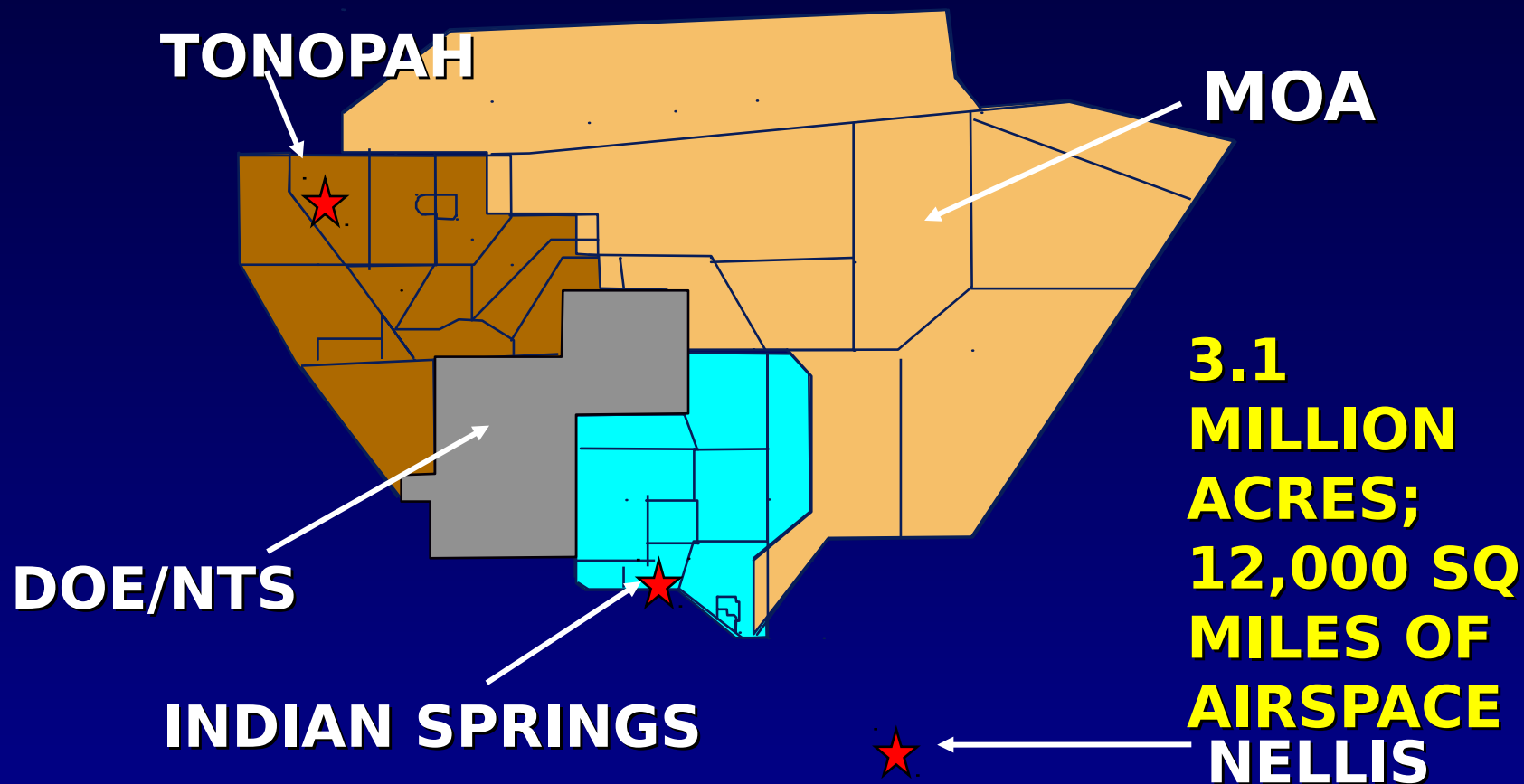


WESTERN RANGES





NELLIS RANGES

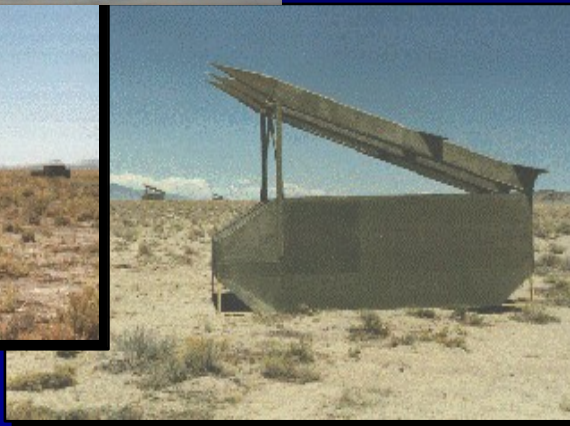




REALISTIC TARGETS & THREATS



4 SCUD TELs
2 Support Bat
2 Decoy TELs
1 Ea SA 6/8
3 Convoys
35 Total (GPS



Mobile Targets



JEFX Threat Arena

ACQ, HF, ZSU

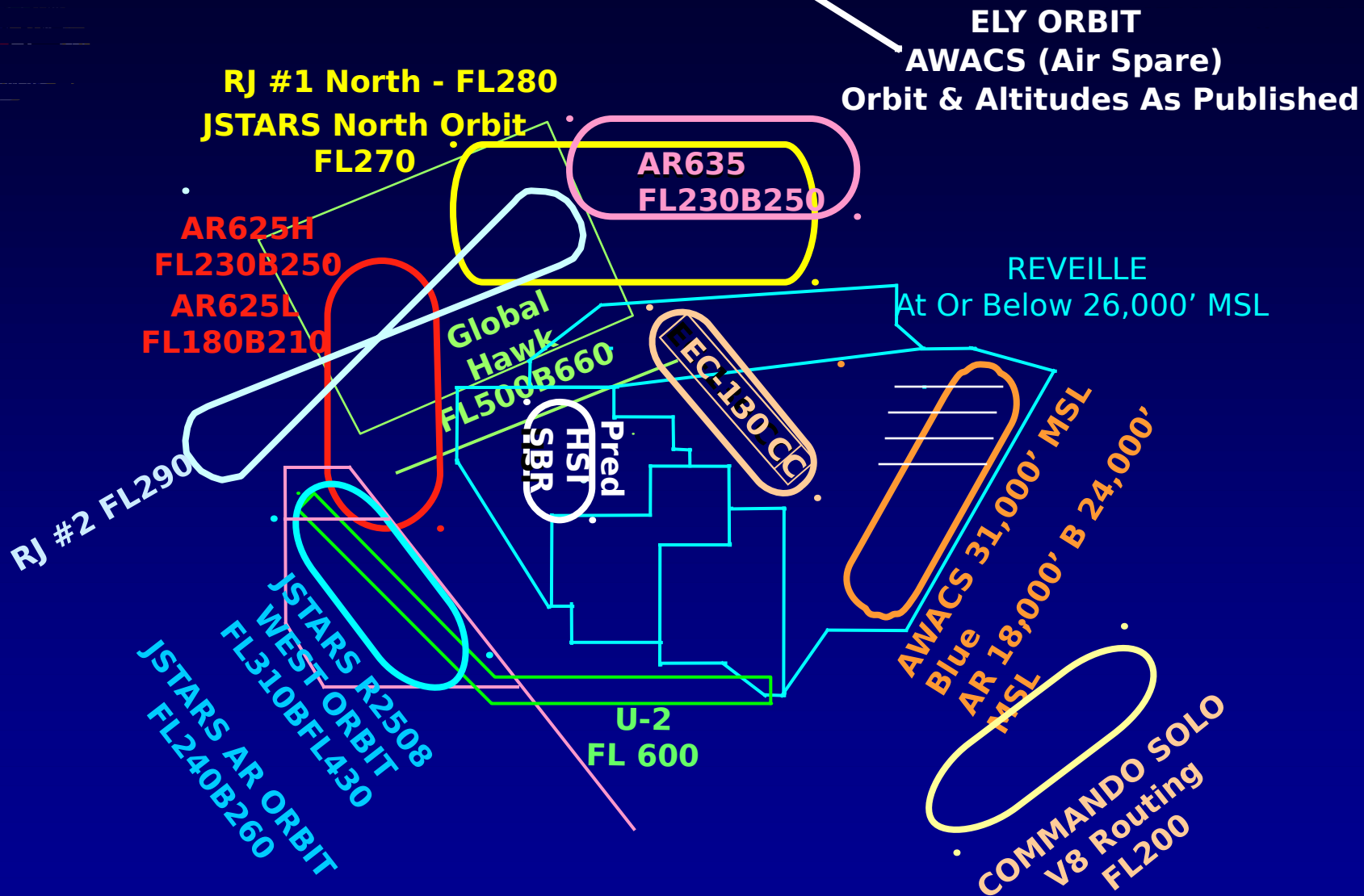
3, 6, 8, 10, 11, ROL

Total 30

- Kill Criteria



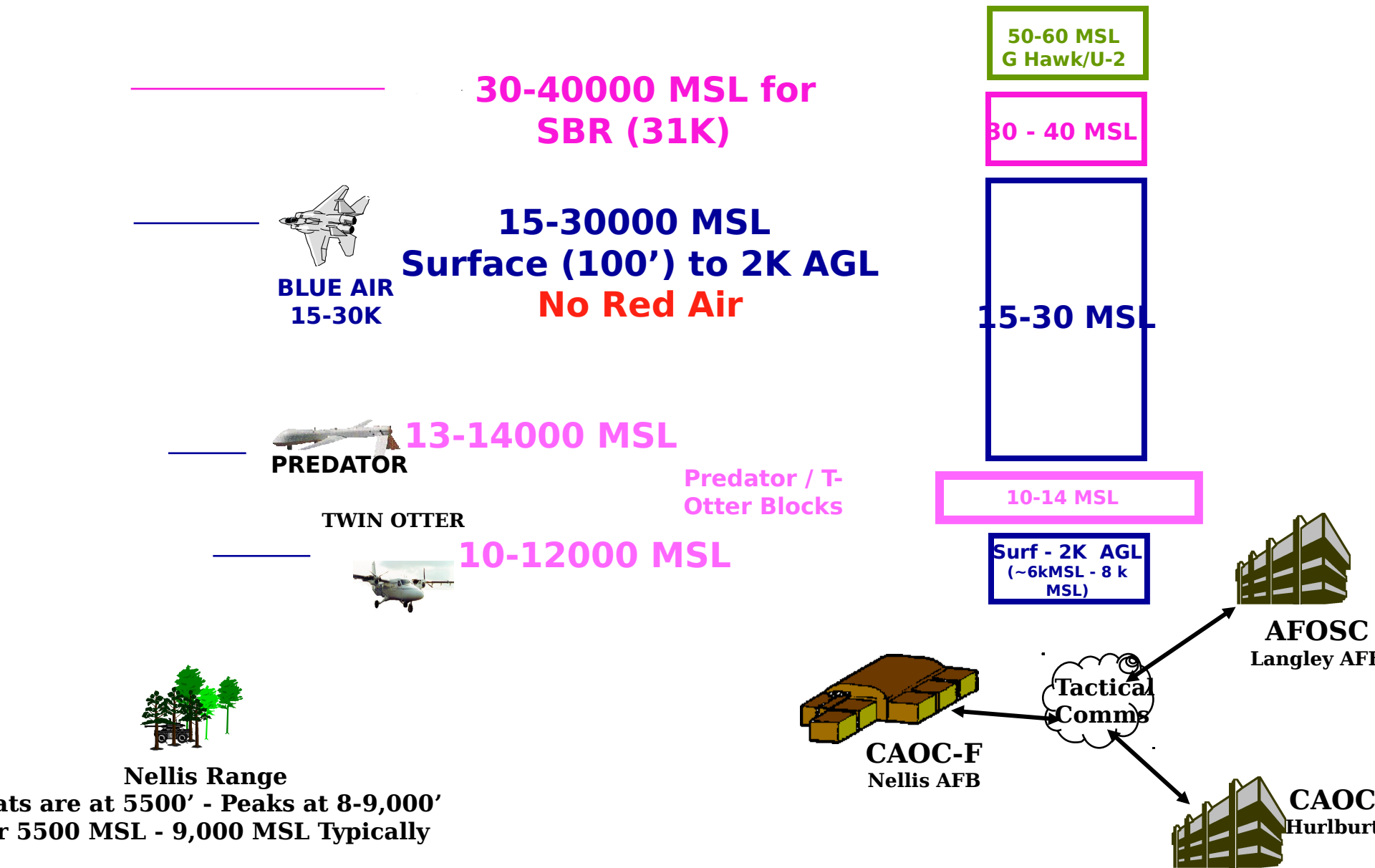
UNCLASSIFIED JEFX 2000 Orbits



UNCLASSIFIED

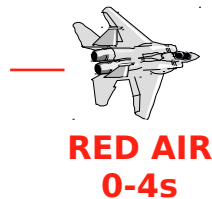
JEFX PLAYER BLOCKS

1200 -1330 (Pacific)



JEFX PLAYER BLOCKS

1330 - 1600 (Pacific)



20-24000 MSL & 30-34000 MSL



5-9s & 40-44000 MSL

Surface (100') to 2K AGL

Blocks start at 15,000 MSL



13-14000 MSL

**Predator/ T-Otter
Blocks**

TWIN OTTER



10-12000 MSL



Nellis Range

Plants are at 5500' - Peaks at 8-9,000'
or 5500 MSL - 9,000 MSL Typically

50-60 GH & U-2

45-49

40-44

35-39

30-34

25-29

20-24

15-19

10-14 MSL

Surface -
2K AGL

(~6kMSL - 8 k
MSL)

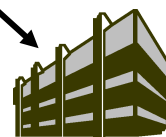
**Tactical
Comms**



**CAOC-F
Nellis AFB**



**AFOSC
Langley AFB**



**CAOC
Hurlburt**

Millennium Challenge 2000

Moving Forward Together

USJFCOM

USA
JCF / AWE

FBE-H

JV 2010

USAF
JEFX 2000

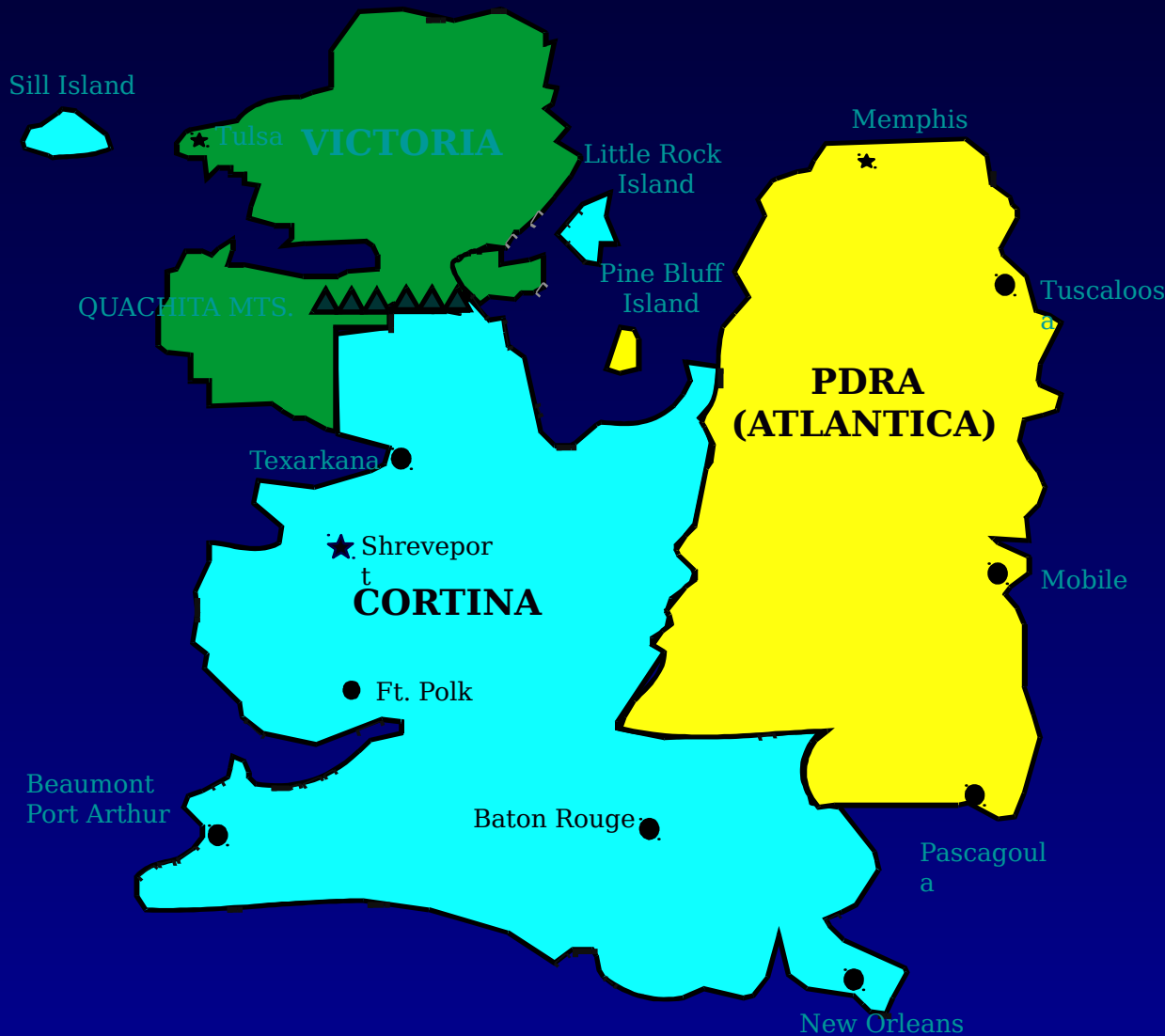
Millennium
Dragon

First Large Scale Joint Warfighting





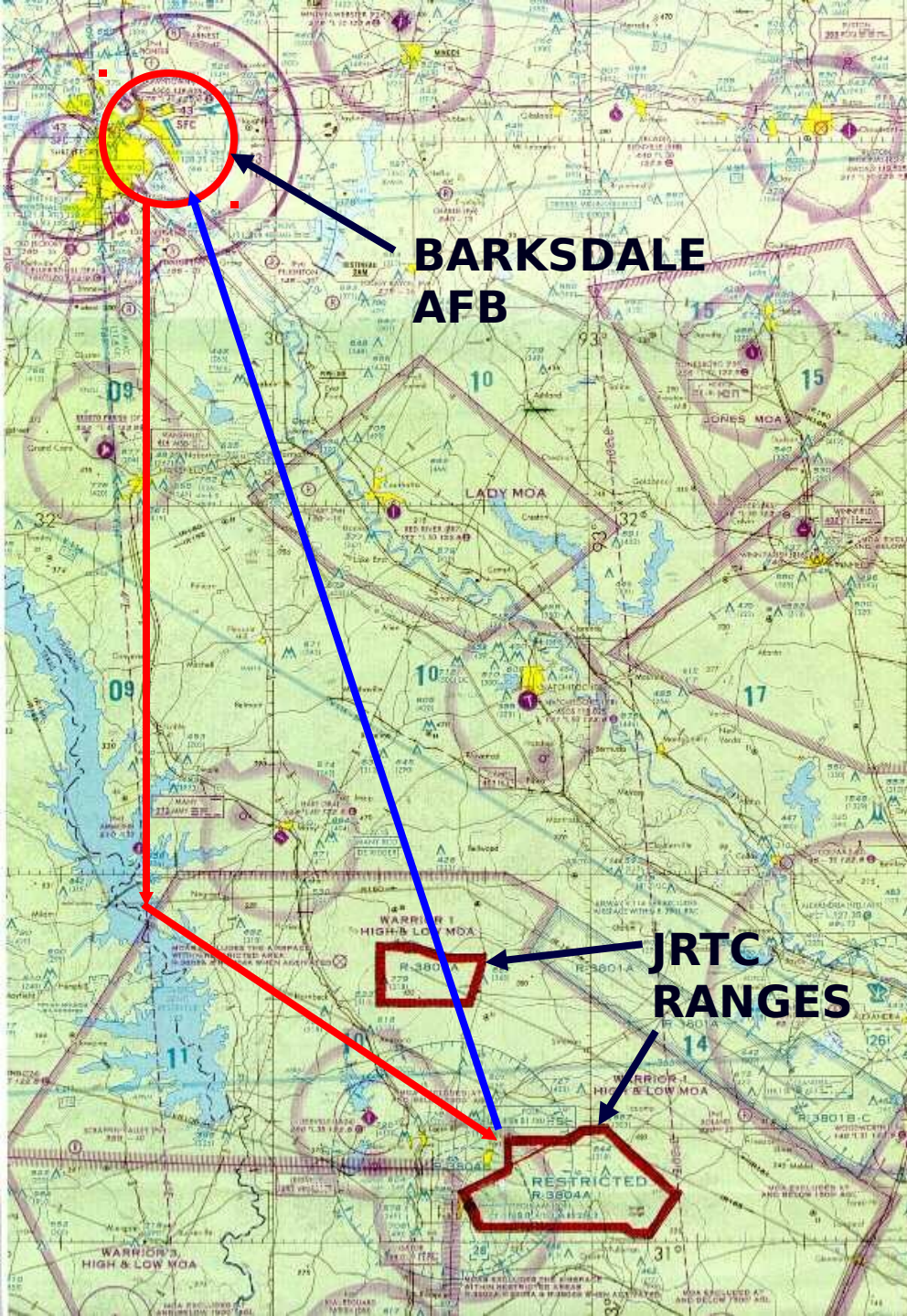
Island of Aragon



5-1/98 17:
UNCLASSIFIED

Fixed wing CAS / FAC- A operations from Barksdale

- 100 miles from battlefield
- Jets arrive 6-7th, Airdrop 8 Sept
- Phases: Insert+5
LIC/Def/Off





JEFX 2000 Live Fly

11 - 14 Sept '00

- **Wed-Thurs (6-7 Sept): Air Warrior Arrival/Fam**
- **Fri Night (8 Sept): JRTC Airdrop (0100Z, 9 Sept)**
- **Saturday (9 Sept): D-Day, Nellis Arrival/Fam**
- **Sunday (10 Sept): Live Fly Aircrew Inbrief (1700Z)**
- **Monday - Thursday: (11-14 Sept): Single go days**
- **Friday (15 Sept): Hotwash**
 - **One AEW**
 - **Adjust threat arena downward**
 - **Four hours of range time (vs. 2 x 3 hrs)**



Live Fly Status





JEFX 02 Live Fly

- **Activity will support the four major focus areas:**

- **Time critical targeting (TCT)**
 - **C2 of Intelligence, Surveillance & Reconnaissance**
 - **Reduced CAOC "footprint"**
 - **Alliance integration**
-
- **Single AEW at Nellis AFB**
 - **CAOC will be at Nellis**
 - **Global Strike Task Force sorties in support of MC**
 - **Flying days/window TBD**
 - **Need joint partners to define USAF**



LF PLANNING TIMELINE



Proposed JEFX 02 AF Live-Fly Players

AEW

- 8xA-10
- 10xF-15E
- 6xF-15C
- 10xF-16CJ
- 8xF-16CG
- 2xB-1
- 1xHH-60
- 1xF117

Others

- 6xKC-135

AOC/ISR/STRAT

- 2xE-3
- 1xE-8
- 1xRC-135
- 1xU-2
- 2xB-2
- 1xB-52
- 1xGH
- 2xPredator

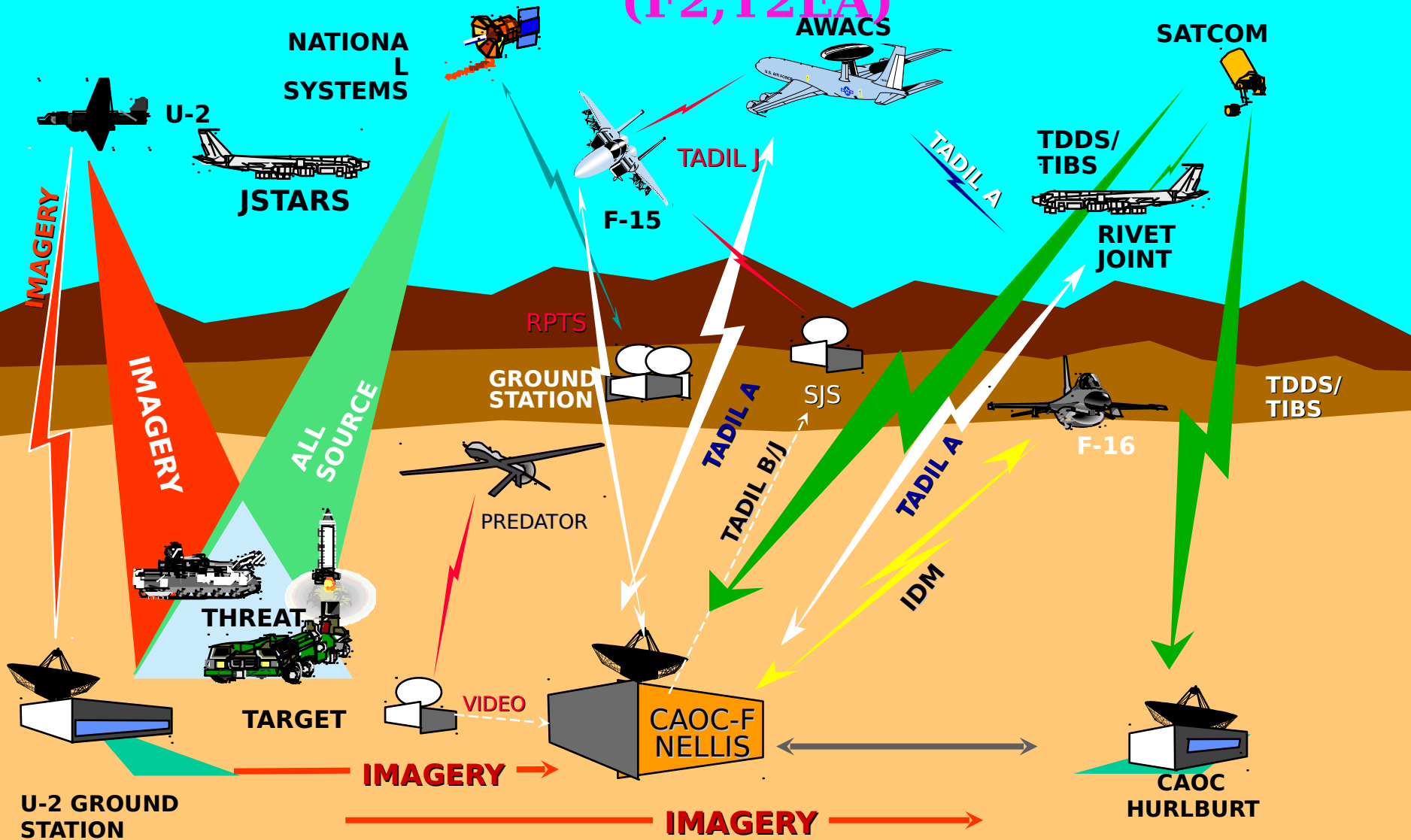
- **Total 63**

Proposed MC Live Execution Schedule

18 Jul - 9 Aug 02

SUN		MON	TUE	WED		THU
Jul 21	Jul 22	Jul 23	Jul 24	Jul 25	Jul 26	Jul 27
			Airdrop NTC			
		GSTF Sorties		IBCT NTC	Nellis LF Arrival	
			STOM			
Jul 28	Jul 29	Jul 30	Jul 31	Aug 1	Aug 2	Aug 3
LF Inbrief	JEFX Live Fly Execution (AFEO)				LF B/U	
Aug 4	Aug 5	Aug 6	Aug 7	Aug 8	Aug 9	Aug 10
	JEFX Live Fly Execution (C2TIG)					

Find-Fix-Track-Target-Engage-Assess (F2,T2EA)



Live Fly Overview

Questions...

